# GOVERNMENT OF INDIA
# SCIENCE AND TECHNOLOGY
# LOK SABHA

UNSTARRED QUESTION NO:166
ANSWERED ON:16.11.2016
Application of Big Data
Kambhampati Dr. Hari Babu

**Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:**

(a) whether Government is aware of the potential applications of big data in providing solution to every-day services;

(b) if so, the details thereof; and

(c) the details on initiatives taken by the Government, including infrastructure, R&D and collaboration with international institutions being formulated for utilization of the bid data solutions to solve our socioeconomic issues?

## Answer

MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND MINISTER OF STATE IN THE MINISTRY OF EARTH SCIENCES
(SHRI.Y. S. CHOWDARY)

(a) Yes, Madam.

(b) The S&T Ministries, recognizing the importance of Big data applications, has embedded development of Big Data applications in the recently launched National Supercomputing Mission (NSM).

(c) The abundance of Earth Science data from Indian and global observing satellites, models, and in-situ measurements requires data mining techniques to facilitate the automatic extraction and analysis of interesting patterns for providing services for short-term and medium range. The Ministry of Earth Sciences, therefore, is already handling Big Data and are providing weather services to masses including farmers using Big Data Analytics. Apart from the above, Ministry of Electronics and Information Technology (MeitY) through its aided Institute namely Centre for Development of Advanced Computing (C-DAC), Pune, has undertaken several activities in this area. Some of these include Big Imaging data approach for Oncology (BIONIC) − under Indo-Dutch Joint Research Programme for ICT; Framework for Healthcare Analytics Using OpenSource Big Data tools & Techniques; and A Big Data Platform for Graph-based Pharmacogenomics Data. The MeitY has supported a major project to develop analytical models that can assist banks, especially small and medium sized, in managing the banking operations effectively by studying the customer behavior with respect to retail loan in banking domain. Under the NSM, a joint National Mission of DST and MeitY, we have initiated training programmes on Big Data analytics through the implementing agency C-DAC.

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